

P#6



2121

ENTERED

RAW SEQUENCE LISTING

DATE: 03/04/2002

PATENT APPLICATION: US/09/938,275

TIME: 14:49:18

Input Set : A:\P03rSID.txt

Output Set: N:\CRF3\03042002\I938275.raw

4 <110> APPLICANT: Gerardo Castillo
 5 Alan Snow
 7 <120> TITLE OF INVENTION: Therapeutic and Diagnostic Applications
 8 of Laminin and Laminin-Derived Protein Fragments
 11 <130> FILE REFERENCE: PROTEO.P03
 13 <140> CURRENT APPLICATION NUMBER: 09/938,275
 C--> 14 <141> CURRENT FILING DATE: 2001-08-16
 16 <160> NUMBER OF SEQ ID NOS: 11
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 11
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Mus Musculus
 25 <300> PUBLICATION INFORMATION:
 26 <308> DATABASE ACCESSION NO: Swissprot P19137
 27 <309> DATABASE ENTRY DATE: 1990-11-01
 29 <400> SEQUENCE: 1
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 31 1 5 10
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 35 <211> LENGTH: 177
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Mus Musculus
 39 <300> PUBLICATION INFORMATION:
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 41 <309> DATABASE ENTRY DATE: 1990-11-01
 43 <400> SEQUENCE: 2
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 45 1 5 10 15
 46 Tyr Tyr Val Ala His Gln Asn Gln Met Asp Tyr Ala Thr Leu Gln Leu
 47 20 25 30
 48 Gln Glu Gly Arg Leu His Phe Met Phe Asp Leu Gly Lys Gly Arg Thr
 49 35 40 45
 50 Lys Val Ser His Pro Ala Leu Leu Ser Asp Gly Lys Trp His Thr Val
 51 50 55 60
 52 Lys Thr Glu Tyr Ile Lys Arg Lys Ala Phe Met Thr Val Asp Gly Gln
 53 65 70 75 80
 54 Glu Ser Pro Ser Val Thr Val Val Gly Asn Ala Thr Thr Leu Asp Val
 55 85 90 95
 56 Glu Arg Lys Leu Tyr Leu Gly Gly Leu Pro Ser His Tyr Arg Ala Arg
 57 100 105 110
 58 Asn Ile Gly Thr Ile Thr His Ser Ile Pro Ala Cys Ile Gly Glu Ile
 59 115 120 125

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APR 08 2002

TECH CENTER 1600/2900

RECEIVED

MAR 18 2002

Technology Center 2100

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TECH CENTER 1600/2900

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60 Met Val Asn Gly Gln Gln Leu Asp Lys Asp Arg Pro Leu Ser Ala Ser
61      130              135              140
62 Ala Val Asp Arg Cys Tyr Val Val Ala Gln Glu Gly Thr Phe Phe Glu
63 145              150              155              160
64 Gly Ser Gly Tyr Ala Ala Leu Val Lys Glu Gly Tyr Lys Val Arg Leu
65              165              170              175
66 Asp
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 177
72 <212> TYPE: PRT
73 <213> ORGANISM: Homo Sapiens
75 <300> PUBLICATION INFORMATION:
76 <308> DATABASE ACCESSION NO: Swissprot P25391
77 <309> DATABASE ENTRY DATE: 1992-05-01
79 <400> SEQUENCE: 3
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81 1              5              10              15
82 Tyr Tyr Met Ala His Gln Asn Gln Ala Asp Tyr Ala Val Leu Gln Leu
83      20              25              30
84 His Gly Gly Arg Leu His Phe Met Phe Asp Leu Gly Lys Gly Arg Thr
85      35              40              45
86 Lys Val Ser His Pro Ala Leu Leu Ser Asp Gly Lys Trp His Thr Val
87      50              55              60
88 Lys Thr Asp Tyr Val Lys Arg Lys Gly Phe Ile Thr Val Asp Gly Arg
89 65              70              75              80
90 Glu Ser Pro Met Val Thr Val Val Gly Asp Gly Thr Met Leu Asp Val
91      85              90              95
92 Glu Gly Leu Phe Tyr Leu Gly Gly Leu Pro Ser Gln Tyr Gln Ala Arg
93      100             105             110
94 Lys Ile Gly Asn Ile Thr His Ser Ile Pro Ala Cys Ile Gly Asp Val
95      115             120             125
96 Thr Val Asn Ser Lys Gln Leu Asp Lys Asp Ser Pro Val Ser Ala Phe
97      130             135             140
98 Thr Val Asn Arg Cys Tyr Ala Val Ala Gln Glu Gly Thr Tyr Phe Asp
99 145             150             155             160
100 Gly Ser Gly Tyr Ala Ala Leu Val Lys Glu Gly Tyr Lys Val Gln Ser
101      165             170             175
102 Asp
106 <210> SEQ ID NO: 4
107 <211> LENGTH: 3084
108 <212> TYPE: PRT
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111 <300> PUBLICATION INFORMATION:
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115 <400> SEQUENCE: 4
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117 1              5              10              15
118 Val Leu Trp Val Thr Val Arg Ser Gln Gln Arg Gly Leu Phe Pro Ala

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168 Ile Lys Asp Asp Arg His Ala Asp Leu Ala Asn Gly Lys Trp Pro Gly
169           420           425           430
170 Gln Cys Pro Cys Arg Lys Gly Tyr Ala Gly Asp Lys Cys Asp Arg Cys
171           435           440           445
172 Gln Phe Gly Tyr Arg Gly Phe Pro Asn Cys Ile Pro Cys Asp Cys Arg
173           450           455           460
174 Thr Val Gly Ser Leu Asn Glu Asp Pro Cys Ile Glu Pro Cys Leu Cys
175 465           470           475           480
176 Lys Lys Asn Val Glu Gly Lys Asn Cys Asp Arg Cys Lys Pro Gly Phe
177           485           490           495
178 Tyr Asn Leu Lys Glu Arg Asn Pro Glu Gly Cys Ser Glu Cys Phe Cys
179           500           505           510
180 Phe Gly Val Ser Gly Val Cys Asp Ser Leu Thr Trp Ser Ile Ser Gln
181           515           520           525
182 Val Thr Asn Met Ser Gly Trp Leu Val Thr Asp Leu Met Ser Thr Asn
183           530           535           540
184 Lys Ile Arg Ser Gln Gln Asp Val Leu Gly Gly His Arg Gln Ile Ser
185 545           550           555           560
186 Ile Asn Asn Thr Ala Val Met Gln Arg Leu Thr Ser Thr Tyr Tyr Trp
187           565           570           575
188 Ala Ala Pro Glu Ala Tyr Leu Gly Asn Lys Leu Thr Ala Phe Gly Gly
189           580           585           590
190 Phe Leu Lys Tyr Thr Val Ser Tyr Asp Ile Pro Val Glu Thr Val Asp
191           595           600           605
192 Ser Asp Leu Met Ser His Ala Asp Ile Ile Ile Lys Gly Asn Gly Leu
193           610           615           620
194 Thr Ile Ser Thr Arg Ala Glu Gly Leu Ser Leu Gln Pro Tyr Glu Glu
195 625           630           635           640
196 Tyr Phe Asn Val Val Arg Leu Val Pro Glu Asn Phe Arg Asp Phe Asn
197           645           650           655
198 Thr Arg Arg Glu Ile Asp Arg Asp Gln Leu Met Thr Val Leu Ala Asn
199           660           665           670
200 Val Thr His Leu Leu Ile Arg Ala Asn Tyr Asn Ser Ala Lys Met Ala
201           675           680           685
202 Leu Tyr Arg Leu Asp Ser Val Ser Leu Asp Ile Ala Ser Pro Asn Ala
203           690           695           700
204 Ile Asp Leu Ala Val Ala Ala Asp Val Glu His Cys Glu Cys Pro Gln
205 705           710           715           720
206 Gly Tyr Thr Gly Thr Ser Cys Glu Ala Cys Leu Pro Gly Tyr Tyr Arg
207           725           730           735
208 Val Asp Gly Ile Leu Phe Gly Gly Ile Cys Gln Pro Cys Glu Cys His
209           740           745           750
210 Gly His Ala Ser Glu Cys Asp Ile His Gly Ile Cys Ser Val Cys Thr
211           755           760           765
212 His Asn Thr Thr Gly Asp His Cys Glu Gln Cys Leu Pro Gly Phe Tyr
213           770           775           780
214 Gly Thr Pro Ser Arg Gly Thr Pro Gly Asp Cys Gln Pro Cys Ala Cys
215 785           790           795           800
216 Pro Leu Ser Ile Asp Ser Asn Asn Phe Ser Pro Thr Cys His Leu Thr

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217					805					810				815
218	Asp	Gly	Glu	Glu	Val	Val	Cys	Asp	Gln	Cys	Ala	Pro	Gly	Tyr
219					820					825				830
220	Ser	Trp	Cys	Glu	Arg	Cys	Ala	Asp	Gly	Tyr	Tyr	Gly	Asn	Pro
221					835					840				845
222	Pro	Gly	Gly	Thr	Cys	Val	Pro	Cys	Asn	Cys	Ser	Gly	Asn	Val
223					850					855				860
224	Leu	Glu	Ala	Gly	His	Cys	Asp	Ser	Val	Thr	Gly	Glu	Cys	Leu
225					865					870				875
226	Leu	Trp	Asn	Thr	Asp	Gly	Ala	His	Cys	Glu	Arg	Cys	Ala	Asp
227					885					890				895
228	Tyr	Gly	Asp	Ala	Val	Thr	Ala	Lys	Asn	Cys	Arg	Ala	Cys	Asp
229					900					905				910
230	Glu	Asn	Gly	Ser	Leu	Ser	Gly	Val	Cys	His	Leu	Glu	Thr	Gly
231					915					920				925
232	Asp	Cys	Lys	Pro	His	Val	Thr	Gly	Gln	Gln	Cys	Asp	Gln	Cys
233					930					935				940
234	Gly	Tyr	Tyr	Gly	Leu	Asp	Thr	Gly	Leu	Gly	Cys	Val	Pro	Cys
235					945					950				955
236	Ser	Val	Glu	Gly	Ser	Val	Ser	Asp	Asn	Cys	Thr	Glu	Glu	Gly
237					965					970				975
238	His	Cys	Gly	Pro	Gly	Val	Ser	Gly	Lys	Gln	Cys	Asp	Arg	Cys
239					980					985				990
240	Gly	Phe	Tyr	Ala	Phe	Gln	Asp	Gly	Gly	Cys	Thr	Pro	Cys	Asp
241					995					1000				1005
242	His	Thr	Gln	Asn	Asn	Cys	Asp	Pro	Ala	Ser	Gly	Glu	Cys	Leu
243					1010					1015				1020
244	Pro	His	Thr	Gln	Gly	Leu	Lys	Cys	Glu	Glu	Cys	Glu	Ala	Tyr
245					1025					1030				1035
246	Gly	Leu	Asp	Pro	Glu	Gln	Gly	Cys	Gln	Ala	Cys	Asn	Cys	Ser
247					1045					1050				1055
248	Gly	Ser	Thr	Ser	Ala	Gln	Cys	Asp	Val	Leu	Ser	Gly	His	Cys
249					1060					1065				1070
250	Lys	Lys	Gly	Phe	Gly	Gly	Gln	Ser	Cys	His	Gln	Cys	Ser	Leu
251					1075					1080				1085
252	Arg	Ser	Phe	Pro	Asp	Cys	Val	Pro	Cys	Gly	Cys	Asp	Leu	Arg
253					1090					1095				1100
254	Leu	Pro	Asp	Thr	Cys	Asp	Leu	Glu	Gln	Gly	Leu	Cys	Ser	Cys
255					1105					1110				1115
256	Asp	Ser	Gly	Thr	Cys	Ser	Cys	Lys	Glu	Asn	Val	Val	Gly	Pro
257					1125					1130				1135
258	Ser	Lys	Cys	Gln	Ala	Gly	Thr	Phe	Ala	Leu	Arg	Gly	Asp	Asn
259					1140					1145				1150
260	Gly	Cys	Ser	Pro	Cys	Phe	Cys	Phe	Gly	Leu	Ser	Gln	Leu	Cys
261					1155					1160				1165
262	Leu	Glu	Gly	Tyr	Val	Arg	Thr	Leu	Ile	Thr	Leu	Ala	Ser	Asp
263					1170					1175				1180
264	Leu	Leu	His	Val	Val	Ser	Gln	Ser	Asn	Leu	Lys	Gly	Thr	Ile
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														1200

VERIFICATION SUMMARY

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Input Set : A:\P03rSID.txt

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date